

NORTH PHILLY PEACE PARK

NORTH PHILADELPHIA PEACE PARK HISTORY

PICTURE: CULTUREWORKS



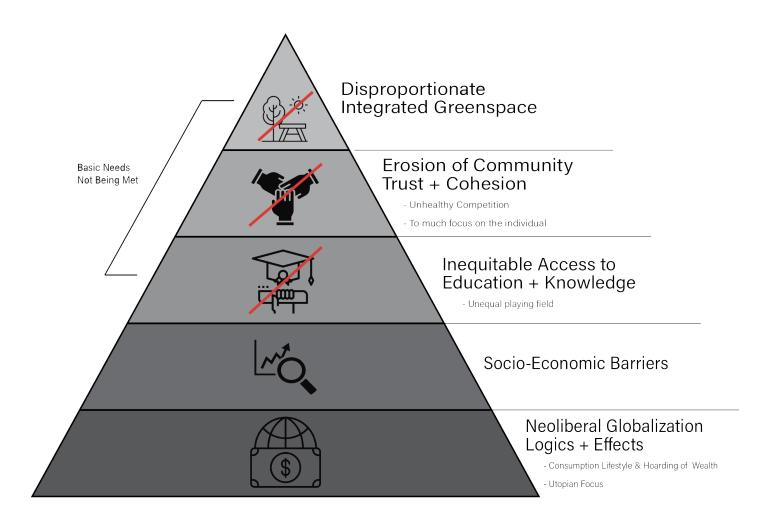
NORTH PHILLY PEACE PARK

NORTH PHILADELPHIA PEACE PARK HISTORY

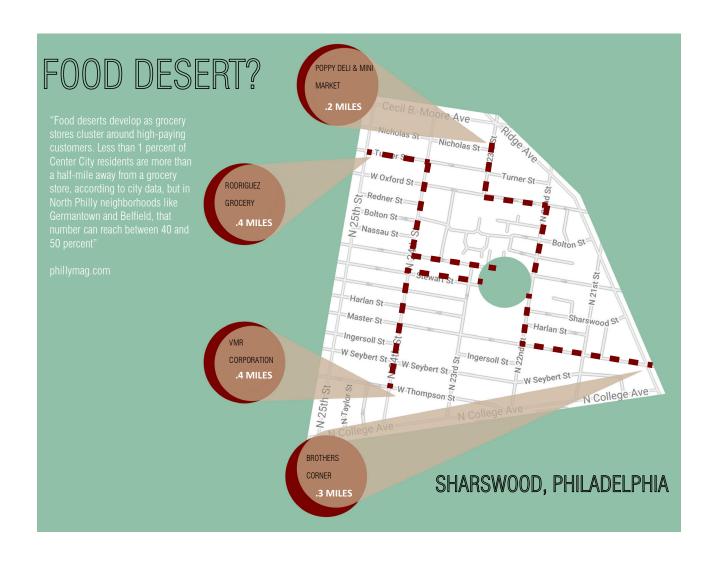
PICTURE: CULTUREWORKS



DESIGN CONSTRAINTS



DESIGN CONSTRAINTS



SHARSWOOD IS...

MOSTLY OWNED BY THE LOCAL HOUSING AUTHORITY; PHILADELPHIA HOUSING AUTHORITY.

LOW LOCAL DEVELOPMENT AND AN INFLUX OF GENTRIFICATION IN THE AREA.

PEACE PARK AND THE LOCAL SHARSWOOD AREA STRIVES TO MAINTAIN AND GROW A COMMUNITY-CENTERED SPACE THAT CAN PROVIDE A HOME FOR ITS CULTURAL, HORTICULTURAL AND EDUCATIONAL EVENTS.

THIS PROJECT WILL SERVE THE LOCAL COMMUNITY THROUGH...

REPURPOSING CURRENT BUILDINGS ON SITE AND PROVIDING PRODUCE TO THE LOCAL SHARSWOOD COMMUNITY WHICH IS IN A FOOD DESERT.

THE PEACE PARK WILL BE ABLE TO GREATLY IMPACT ITS LOCAL COMMUNITY AND PROVIDE A SPACE FOR COMMUNITY EVENTS, GARDENS AND MARKETSPACE.

THIS WILL BRING ECONOMIC INFLUX TO THE LOCAL COMMUNITY AND PROVIDE RESIDENTS WITH A SPACE TO ENJOY.

DESIGN GOALS

OUR GOAL IS...

TO CREATE A SPACE FOR ITS COMMUNITY MEMBERS THROUGH VERTICALLY INTEGRATED RETAIL FARMING.

OPEN-AIR MARKET, RETAIL SPACE, GARDENS, AND GREENHOUSES TO INCREASE FOOD PRODUCTION, AS WELL AS A KITCHEN AND RECREATIONAL AND EDUCATIONAL SPACES.

ALLOW THE PROJECT TO HOLD MULTIPLE USES FOR THIS INTEGRATED COMMUNITY SUPPLY-CHAIN RETAIL MODEL.

DEVELOP A SUPPLY-CHAIN ON SITE FROM SEED, TO GROWING, TO PROCESSING, TO SELLING AND THEN TO EATING WITH EDUCATIONAL GUIDANCE ON ALL OF THOSE STEPS.

REDUCE COSTS AND ENVIRONMENTAL IMPACT...

KEEP ALL EXISTING BUILDINGS ON SITE AND REPURPOSE THEM.

LOCAL MATERIALS AND INCLUDING MURALS FROM THE PHILADELPHIA MURAL ARTS PROGRAM.

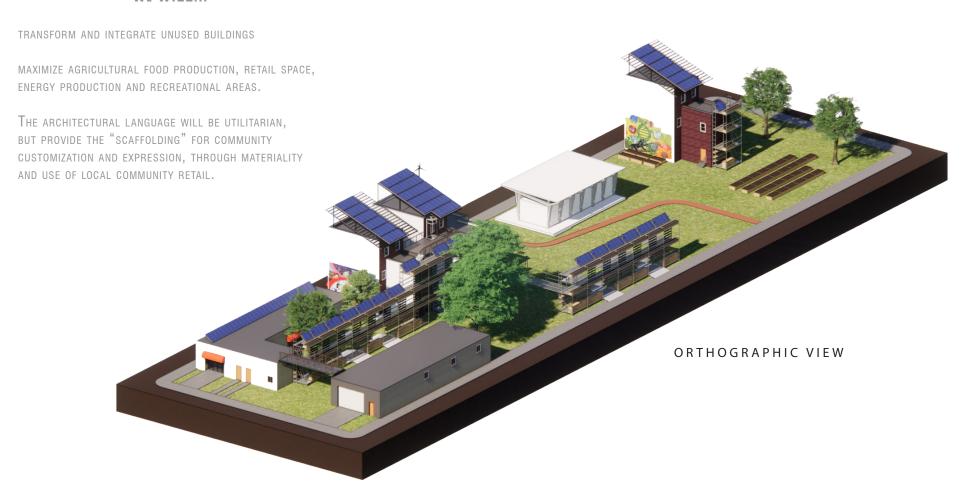
SERVE THE LOCAL COMMUNITY.

WILL HELP CREATE AN NEW ECOLOGICAL DIALOGUE THROUGH COMMUNITY BASED DESIGN OF URBAN AGRICULTURAL RETAIL.



ARCHITECTURE

WE WILL...

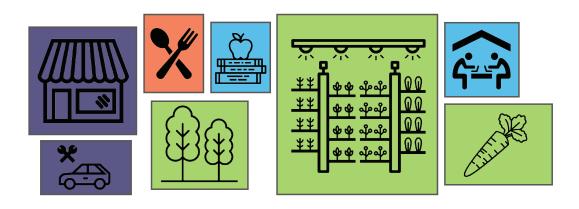


OCCUPANT EXPERIENCE

NORTH PHILADELPHIA PEACE PARK

2226 W. JEFFERSON STREET

THOMAS JEFFERSON UNIVERSITY: RETAIL DIVISION



North Philly Peace Park Site Program





Community Kitchen - Cooking + Food Prep F-1: Commercial Kitchen 200 gross sf. required per person 5 occupants total 1,000 sf. total space required



Educational - Co-Working Library E - Educational 20 net sf. required per person 40 Occupants total 800 sf. total space required



Educational - Arts + Incubation Businesses E - Educational 20 net sf. required per person 40 Occupants total 800 sf. total space required





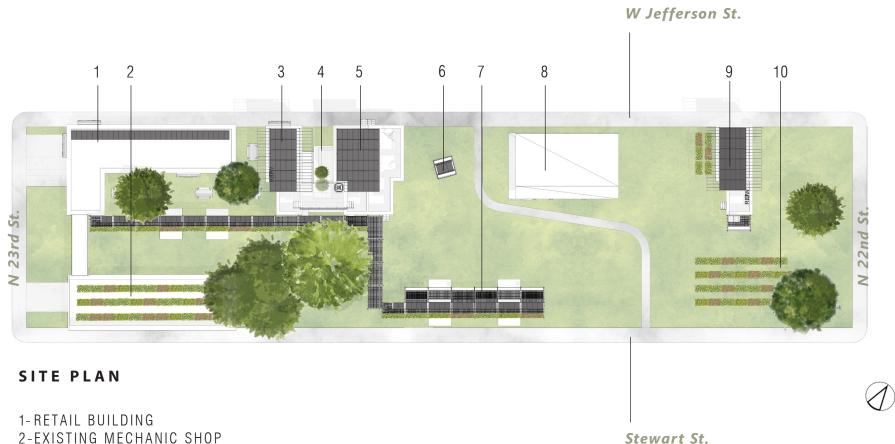
Food Production - Orchard + Green Space





The site is programmed to include several activity types such as outdoor agriculture, arts and design classes, a library filled with history and sustainability books, a community run kitchen, and an indoor flexible market. The interior design is a mix of Afro-Futurism aesthetics as a well as modern utility. The appliances in the buildings consist of refrigerators, toilets, sinks, bathtubs, and a full commercial kitchen setup. Allowing all of the interior spaces to be flexible -besides the kitchen- the community is at liberty to use the buildings to suit their current needs while being able to adapt for the future

SITE PLAN



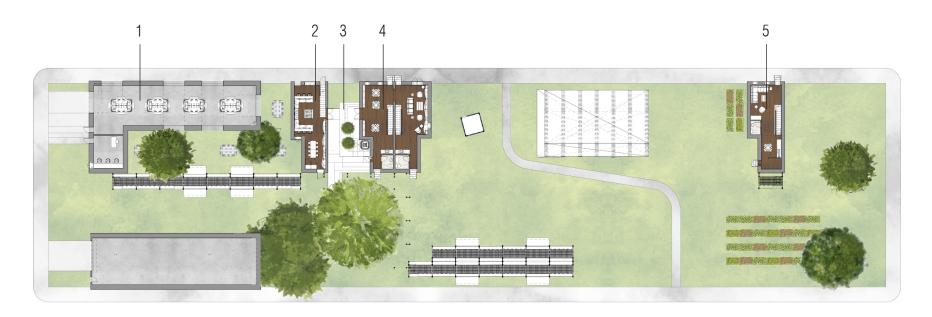
- 2-EXISTING MECHANIC SHOP
- 3-COMMUNITY KITCHEN BUILDING
- 4-OUTDOOR PATIO "BUFFER ZONE"
- 5-EDUCATIONAL BUILDING
- 6-CUBE VERTICAL GARDEN
- 7-SCAFFOLDING VERTICAL GARDEN
- 8-PAVILION
- 9-ARTS BUILDING
- 10-RAISED BED GARDEN

FIRST FLOOR PLAN

NORTH PHILADELPHIA PEACE PARK

2226 W. JEFFERSON STREET

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FIRST FLOOR PLAN

- 1-INDOOR PRODUCE MARKET
- 2-PERMACULTURE COMMUNITY KITCHEN
- 3-OUTDOOR PATIO "BUFFER ZONE"
- 4-CO-WORKING LIBRARY
- 5-MULTIUSE ARTS AND EDUCATION

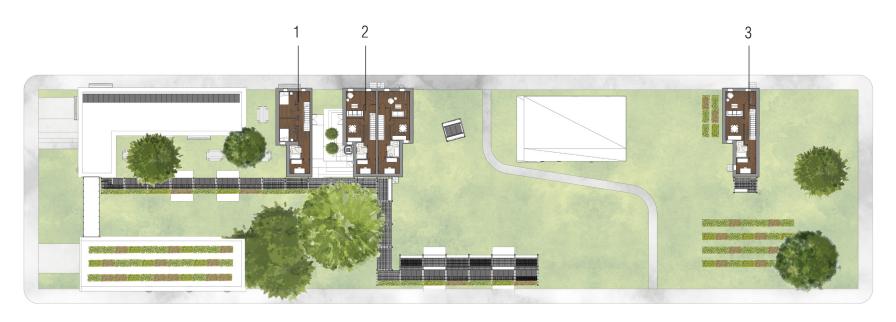


SECOND FLOOR PLAN

NORTH PHILADELPHIA PEACE PARK

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SECOND FLOOR PLAN

- 1-EXISTING TENANT
- 2-BUSINESS INCUBATION SPACE
- 3-MULTIUSE THERAPY SUITE



THIRD FLOOR PLAN

NORTH PHILADELPHIA PEACE PARK

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THIRD FLOOR PLAN

- 1-EXISTING TENANT
- 2-BUSINESS INCUBATION SPACE
- 3-MULTIUSE ART SPACE



COMFORT + ENVIRONMENTAL QUALITY

INTERIOR RENDERINGS





Our proposal will give the community a safe space to interact with each other, resulting in a stronger community alliance. Community members will develop a stronger connection to the natural environment, by implementing and maximizing the cultivation and growth of vegetation within our buildings. Incorporating the use of natural materials such as wood and harvesting food indoors will bring an overall "organic" feel to the user. Implementing operable structures that open to the outdoors when weather permits will allow our building to directly respond to the experiential environmental qualities the site has to offer. We will bring man and nature closer together by maximizing natural light and natural ventilation whenever possible.

COMFORT + ENVIRONMENTAL QUALITY

INTERIOR RENDERINGS





COMFORT + ENVIRONMENTAL QUALITY

INTERIOR RENDERING



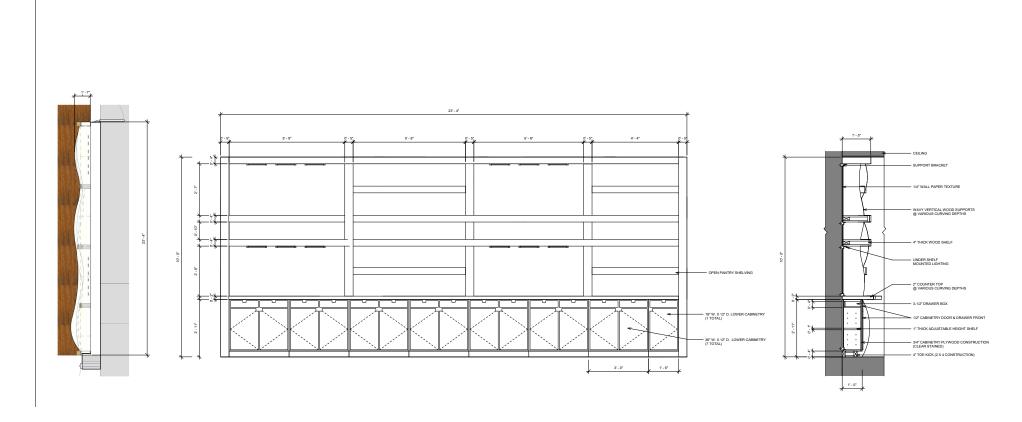
INDOOR MARKET

INTERIOR DETAILS

NORTH PHILADELPHIA PEACE PARK

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KITCHEN MILLWORK DETAIL

KITCHEN MILLWORK DETAIL

KITCHEN MILLWORK DETAIL

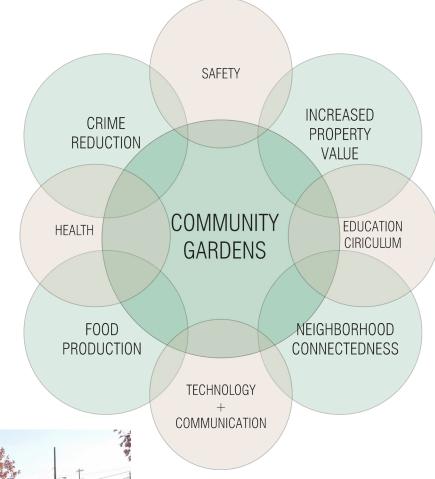
ENVIRONMENTAL IMPACT

WE WILL...

STRIVE TO LOWER OUR EMBODIED ENVIRONMENTAL IMPACT BY RESTORING AND REPURPOSING EXISTING BUILDINGS AND/OR MATERIALS ON SITE.

GIVING PREFERENCE TO LOCAL MATERIALS AND LOCAL LABOR.

Our ultimate environmental goal is to maximize rainwater collection, solar energy and potentially wind energy production.





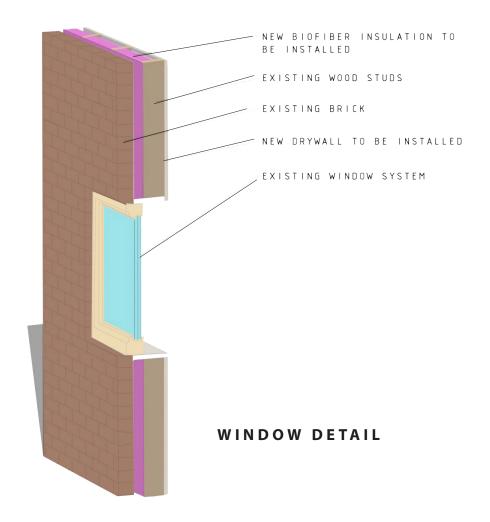


EXISTING CONDITIONS

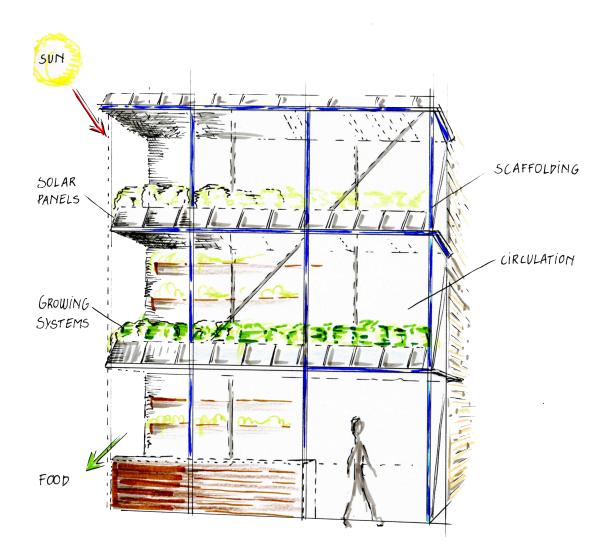
DURABILITY + RESILENCE

THE EXISTING BUILDINGS ARE MADE PRIMARILY OF BRICK AND CMU. THESE BUILDING MATERIALS WILL LAST A LOT LONGER THAN WHAT A TRADITIONAL DEVELOPER IN THIS AREA WOULD USE (STICK FRAME), AS LONG AS ROOF AND WALL INTEGRITY CAN BE MAINTAINED. THE STRUCTURAL LATTICE-WORK WE ARE PROVIDING VIA THE SCAFFOLDING WILL CREATE AN ADDITIONAL PROTECTIVE LAYER AROUND THESE SURFACES, EXTENDING THEIR LIFESPAN AND MAKING MAINTENANCE MUCH EASIER AND LESS EXPENSIVE.

JUST BIOFIBER WILL BE USED IN PLACE OF EXISTING INSULATION. BIOFIBER IS RATED AT R 40. WITH ITS EASE OF CONSTRUCTION CAPABILITY, IT CAN EASILY REPLACE THE EXISTING INSULATION AND FIT IN BETWEEN THE EXISTING WOODEN STUDS. BIOFIBER CLEANS THE CONDITIONS OF CO2. IN ADDITION, BIOFIBER ALSO ACTS AS A MOISTURE BARRIER COMBATING THE HARSH HUMIDITY CLIMATE THAT OCCURS.



ENGINEERING



CONCEPTUAL DIAGRAM

WE WILL BE...

IMPLEMENTING A SCAFFOLDING STRUCTURE THAT WILL BE ENGINEERED AND MODIFIED TO BE A PERMANENT STRUCTURE.

HIGHLY COST-EFFECTIVE

Serve as the substrate for additional food PRODUCTION, WATER COLLECTION, AND ENERGY GENERATION

The building envelope of the retail and garage buildings consists of CMU struWcture with biofiber insulation. The remaining buildings consist of a brick structure and biofiber insulation. We are capturing roof runoff to be housed within our cisterns located on the roof of the buildings. The water collected in the cisternswill be used for irrigation. Placing the cisterns on the roof will allow us to use gravity to distribute the water from the cistern to the system in the buildings. The stormwater runoff is managed in the basin.

The total site area consists of 38,000 S.F. The total infiltration goal is 25,414 S.F. and the total roof capture is 13,036 S.F. The biofiber insulation and the structure of the buildings enhance the acoustical design of the project. They muffle the sounds that might occur outside. We are using Covert LED-x 500 watt full-Spectrum LED Grow Light for the green wallstreet scaffolding system. The interior lighting fixtures are LED light.

MARKET ANALYSIS

NORTH PHILADELPHIA PEACE PARK

2226 W. JEFFERSON STREET
THOMAS JEFFERSON UNIVERSITY: RETAIL DIVISION

WE PLAN TO PRESERVE THE EXISTING MARKET (CMX-2), MECHANIC SHOP (CMX-2), PIZZA SHOP (RM-1), AND THE THREE ROW HOMES (RM-1). THIS IS IMPORTANT TO US BECAUSE SHARSWOOD IS CURRENTLY BEING GENTRIFIED, AS THAT DEVELOPMENT CREEPS IN FROM NEARBY AREAS INCLUDING THE TEMPLE TOWN AND BREWERYTOWN. TYPICAL DEVELOPERS SELDOM PLAN TO REVITALIZE THE EXISTING STRUCTURES BUT INSTEAD DEMOLISH AND BEGIN WITH A BLANK CANVAS. THE TYPICAL HOME VALUE OF HOMES IN SHARSWOOD IS \$225,612. SHARSWOOD HOME VALUES HAVE GONE UP 11.7% OVER THE PAST YEAR AND THEY ARE PREDICTED TO RISE AN ADDITIONAL 9.2% IN THE NEXT YEAR.



Phase 1 of The NPPP's Business model consists of calculating the total operating expenses needed to fund the addition of the Green Wallstreet scaffolding system. The total start up cost is \$2,758. The start up costs consists of the scaffolding, seed, growth medium, and harvesting equipment. The total initial investment is \$2,758 and the operating income is \$.

Phase 2 of The NPPP's Business model consists of enclosing the scaffolding with polyethylene sheets and installing two Covert LED-x 500 watt full-Spectrum LED Grow Light. Phase 2 would cost approximately \$. All energy required by the LED Grow Lights will be powered by the energy harvested by the solar panels.

START UP COSTSQ	JANTITY	_PRICE
Scaffolding		\$1,000
Seed		\$3
Growing Equiptment		\$335
Harvesting Equiptment		\$20
Polyethelyne		\$300
Covert LED-x 500 watt full-Spectrum LED Grow Light	2	\$1,100
Total Initial Investment		\$2,758
Total Planting Area		78 S.F.
Plants per season	117	
Seasons	2/yr	
Plants per year	234/yr	
Total Vegtable Yield 351 lbs		
Average market of Vegtable		\$1/ lb
Total return on vegtables/ year		\$702

OLIANTITY

DDICE

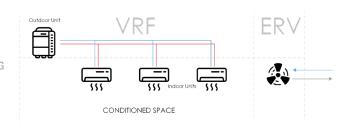
START LIR COSTS

NORTH PHILADELPHIA PEACE PARK

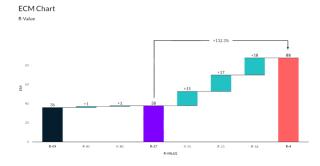
2226 W. JEFFERSON STREET

THOMAS JEFFERSON UNIVERSITY: RETAIL DIVISION

PHOTOVOLTAICS AND WIND TURBINES WILL BE
THE MAIN SOURCE OF ENERGY TO THE ENTIRE BLOCK AND
SELL THE EXCESS BACK TO THE GRID. THE COLLECTION
AND STORAGE OF RAINWATER ON SITE WILL PROVIDE FOR
IRRIGATION SYSTEMS AND THE NEEDS OF THE BLOCK, ALONG
WITH ON-SITE AGRICULTURAL GROWING, THE INTENTION IS
FOR THE SITE TO BECOME SELF-SUFFICIENT.



EXISTING CONDITION



HVAC Strategy:

VRF with ERV centralized system for all of the west side buildings on site + Passive Ventilation with heat recovery from the kitchen exhaust and greywater. Also working on a combined system that will move warmth and cool air from building to building, reducing the EUI. For the building that sits on the eastside of the block, we will create a VRF mini split system.

WALL ASSEMBLIES: North, South, East, and West Facades: R-37

FOUNDATION INSULATION: R-28

ROOF INSULATION: R-52 w/ staggered insulation + drainage board

WINDOW PERFORMANCE: U 0.9 - 1, Triple glazed, fixed & operable

ENERGY STAR BASELINE (EUI)

RETAIL STORE = 103.5

FOOD SALES AND SERVICE (restaurant) = 325.6

EDUCATION = 52.4

OFFICE = 52.9

TARGET EUI BEFORE RENEWABLES: 20 BTU (all zones combined)

RETAIL STORE (Mechanic shop) = below 20

FOOD SALES AND SERVICE (restaurant) = below 100

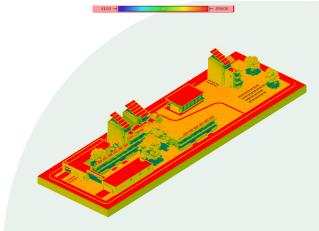
EDUCATION = below 20

OFFICE = below 20

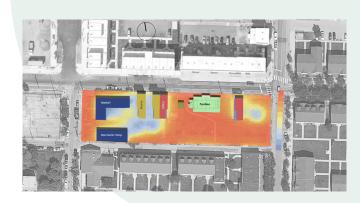
NORTH PHILADELPHIA PEACE PARK

2226 W. JEFFERSON STREET

THOMAS JEFFERSON UNIVERSITY: RETAIL DIVISION



RADIATION ANALYSIS



RADIATION ANALYSIS

Utilizing roof-tops to optimize solar radiation and maximize both growing area and energy production. Used solar panels brought to site and any additional ${\sf PV}$ needed will be the main source of energy production to the entire block, with the intention of selling any excess back to the grid.

THE COLLECTION AND STORAGE OF RAINWATER ON SITE WILL PROVIDE FOR IRRIGATION SYSTEMS AND THE NEEDS OF THE BLOCK, ALONG WITH ON-SITE AGRICULTURAL GROWING, THE INTENTION IS FOR THE SITE TO BECOME SELF-SUFFICIENT.

The use of energy efficient mechanical systems and heat recovery; to accomplish this we are using VRF and ERV systems is used on west-facing buildings, and mini split system on the east-facing buildings.

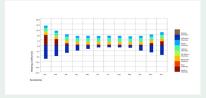


THE ECM CHART IS AN ANALYSIS WE CONDUCTED TO FIND THE APPROPRIATE R-Value FOR THE WALLS.

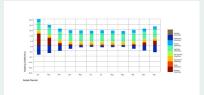
NORTH PHILADELPHIA PEACE PARK

2226 W. JEFFERSON STREET

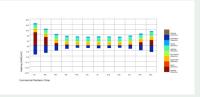
THOMAS JEFFERSON UNIVERSITY: RETAIL DIVISION



RESIDENTIAL



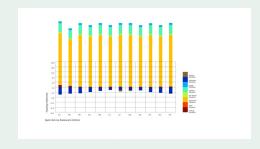
RETAIL MARKET



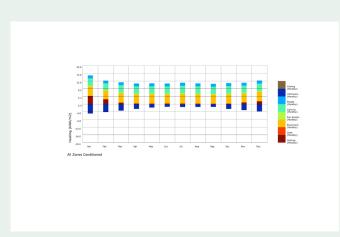
MECHANIC SHOP



OFFICE



QUICK SERVICE RESTAURANT



THE SITE EUI HAS BEEN REDUCED TO 37 EUI BEFORE PHOTOVOLTAICS. THE HIGH ENERGY CONSUMPTION OF THE COMMERCIAL KITCHEN IS ALSO BEING UTILIZED FOR TRANSFERRING HEAT TO OTHER BUILDINGS.

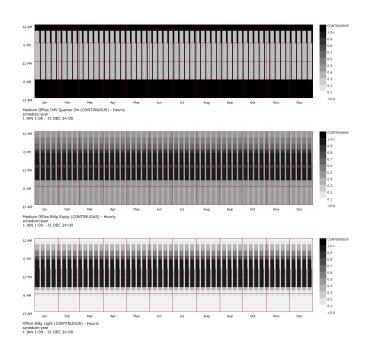
SITE EUI = 21 KBTU/ ft2/ year

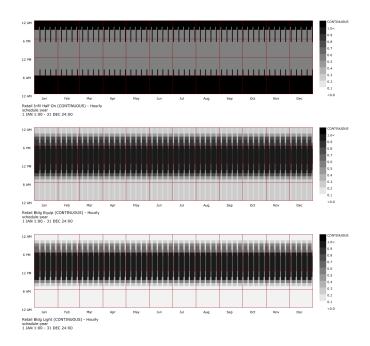
SOURCE EUI = 37 KBTU/ ft2/ year

ALL ZONES CONDITIONED

NORTH PHILADELPHIA PEACE PARK

2226 W. JEFFERSON STREET
THOMAS JEFFERSON UNIVERSITY: RETAIL DIVISION





OFFICE SCHEDULE

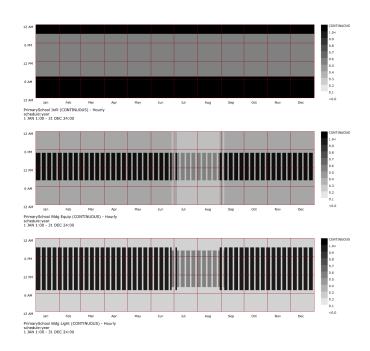
RETAIL SCHEDULE

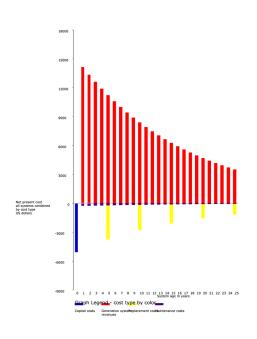
These schdules are based on programmatic functions of the spaces. They visualize the loads and systems over a $24\ \text{hour}$ span.

NORTH PHILADELPHIA PEACE PARK

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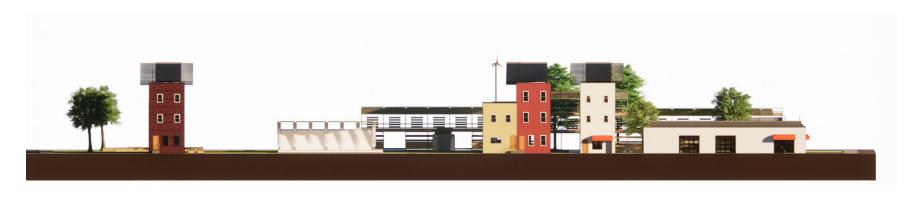
EDUCATIONAL SCHEDULE

PV COST

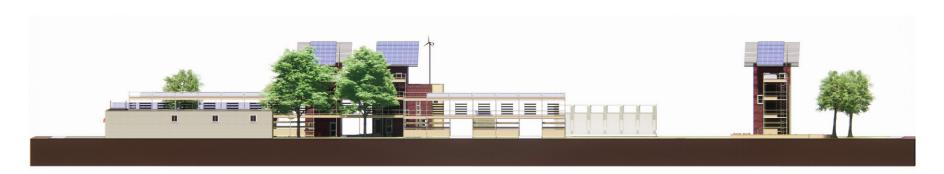
We have 144 solar panels on site with a possibility of expansion. The solar panels not only cover all the site's needs, but also able to generate 130 KBTU per sq ft.

WITH THAT ENERGY, NOT ONLY DO WE NEED THE SITE'S NEED BUT WE CAN SELL THE EXCESS ENERGY PRODUCED BACK TO THE GRID, AS WELL AS PROVIDING FOR THE SCAFFOLDING SYSTEM ENERGY DEMANDS.

ELEVATIONS



NORTH



SOUTH

ELEVATIONS





EAST WEST

SECTIONS



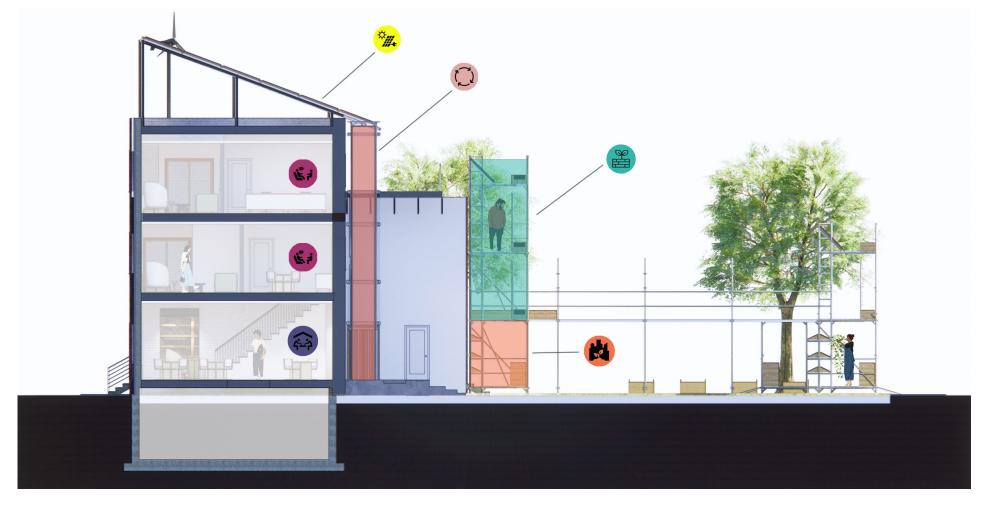
EDUCATIONAL BUILDING SECTION- WEST FACING

SECTIONS



FULL SITE SECTION

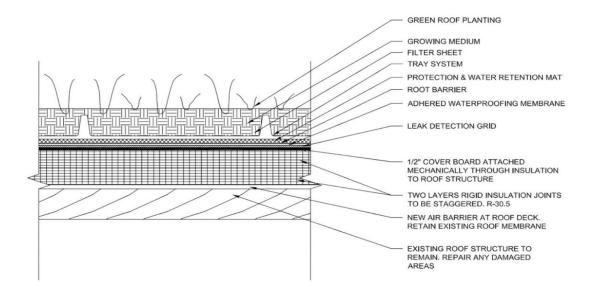
SECTIONS



ROOF DETAIL

NORTH PHILADELPHIA PEACE PARK

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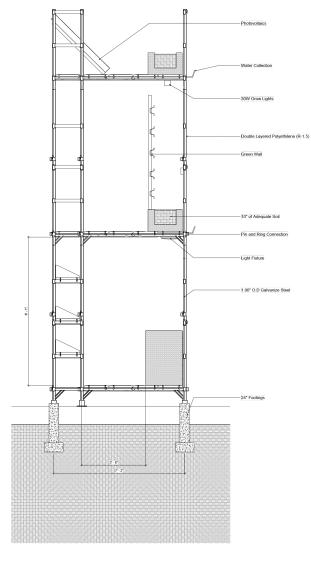
ROOF DETAIL

SCAFFOLDING DETAILS

NORTH PHILADELPHIA PEACE PARK

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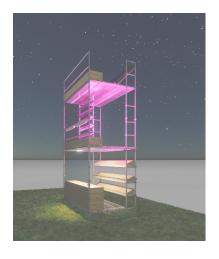
SCAFFOLDING DETAIL



PHASE 1



PHASE 2



PHASE 3

EXTERIOR RENDERINGS

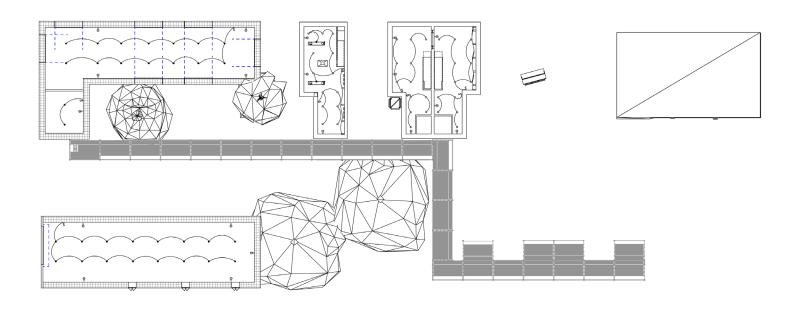


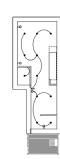
EXTERIOR BEHIND THE BUFFER ZONE

MECHANICAL PLANS

NORTH PHILADELPHIA PEACE PARK

2226 W. JEFFERSON STREET
THOMAS JEFFERSON UNIVERSITY: RETAIL DIVISION





LIGHTING PLAN

LIGHTING SPECIFICATIONS

NORTH PHILADELPHIA PEACE PARK

2226 W. JEFFERSON STREET

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SHATTER RESITANT LIGHT BULB

Product Type - Recessed Downlight

Manufacturer - BOUNDERY

PRODUCT NAME LED Emergency Light Bulb (3-Pack)

PRODUCT # 100113303w

FINISH Automatic On/Off Sensor, Damp-Rated, Shatter Proof, Shatter Resistant

PERFORMANCE E26 Base, 800 Lumens, 3200 K, 60 Watts, Warm White Color Temperature

PRODUCT WEBSITE LINK https://www.homedepot.com/p/BOUNDERY-LED-Emergency-Light-Bulb-3-Pack-100113303w/314216417



DECORATIVE LIGHT FIXTURE

Product Type - Pendant Fixture

Manufacturer - Rich Brilliant Willing

PRODUCT NAME Lonney Grey Stone Residential Vinyl Sheet Flooring

PRODUCT # RGW-3-PC30-30-120_TM_DEX

FINISH Matte Black Steel frame with satin opal globes

PERFORMANCE 3000K (soft white), 110-120V Input TRIAC / ELV / 0-10V, 1% Dimming, Power Consumption 25.5W, Luminaire Watts 25.5W, 90 CRI, UL Listed, Suitable for Damp Locations

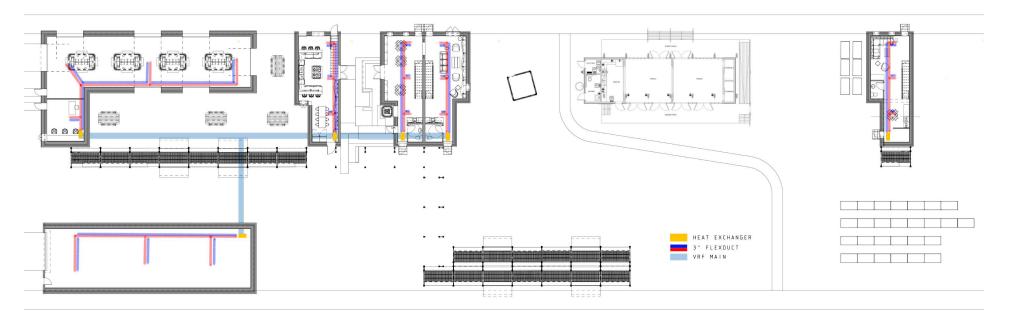
PRODUCT WEBSITE LINK https://rbw.com/products/witt-3/pc30-30-120 tm dex

MECHANICAL PLANS

NORTH PHILADELPHIA PEACE PARK

2226 W. JEFFERSON STREET

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SYSTEM COOLING SETPOINTS

MAIN SETPOINT = 23.9 'C

SETBACK- 26.7 'C

SYSTEM HEATING SETPOINTS

MAIN SETPOINT = 20.6 'C

SETBACK- 15.6 'C

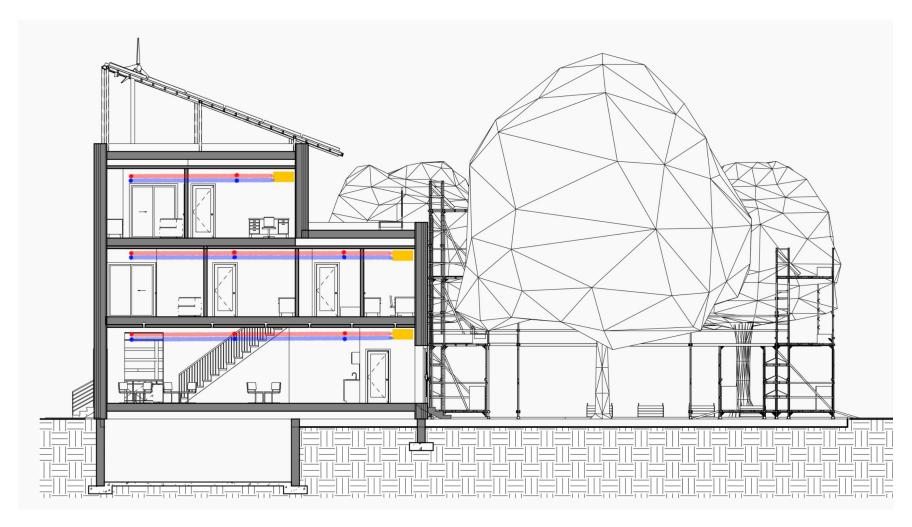
HVAC PLAN

MECHANICAL SECTIONS

NORTH PHILADELPHIA PEACE PARK

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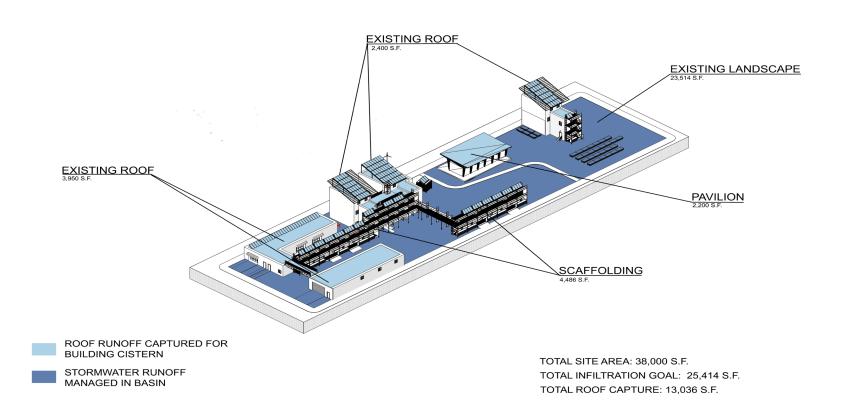
HVAC SECTION

WATER DIAGRAM

NORTH PHILADELPHIA PEACE PARK

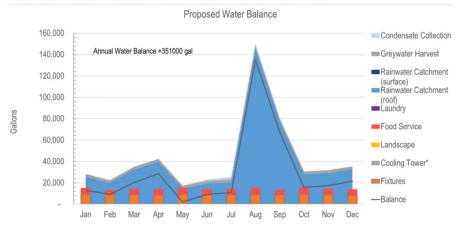
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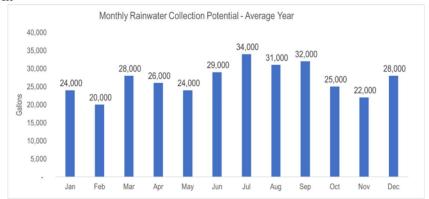


WATER DETAILS

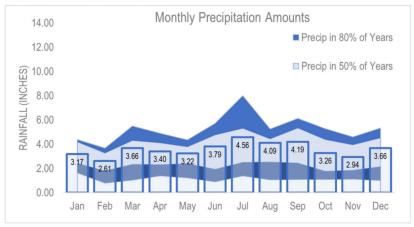
Annual Water Balance - Pease Park Wet Year



Monthly Rainwater Collection Potential – Average Year

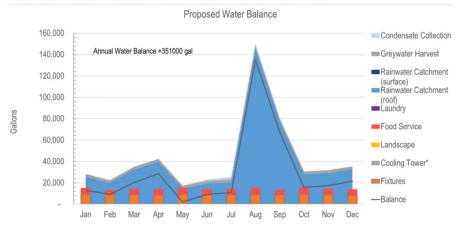


30 Year Annual Rainwater

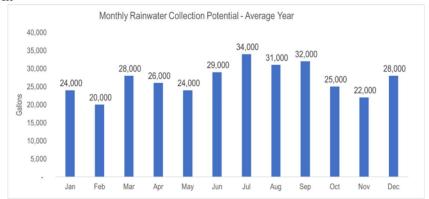


WATER DETAILS

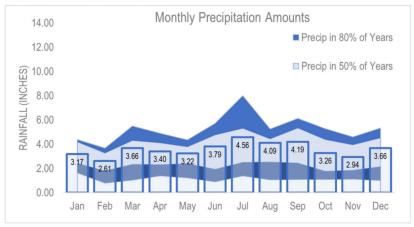
Annual Water Balance - Pease Park Wet Year



Monthly Rainwater Collection Potential – Average Year

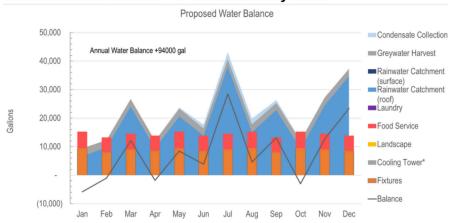


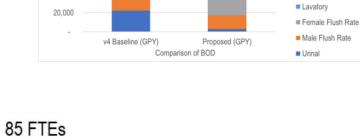
30 Year Annual Rainwater



WATER DETAILS

Annual Water Balance - Pease Park Dry Year





Fixture Comparison

■ Misc 4

■ Misc 3

■ Misc 2

■ Misc 1

■ Mop Sink

■ Shower

■ Kitchen Sink

■ Drinking Fountain

160.000

140,000

120,000

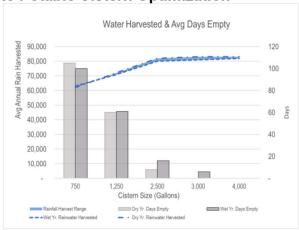
ছ 100,000

80,000

60,000

40,000

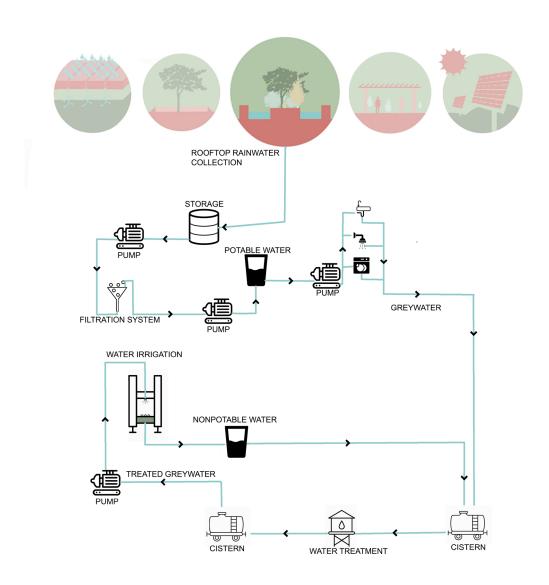
Rainwater to Potable Cistern Optimization



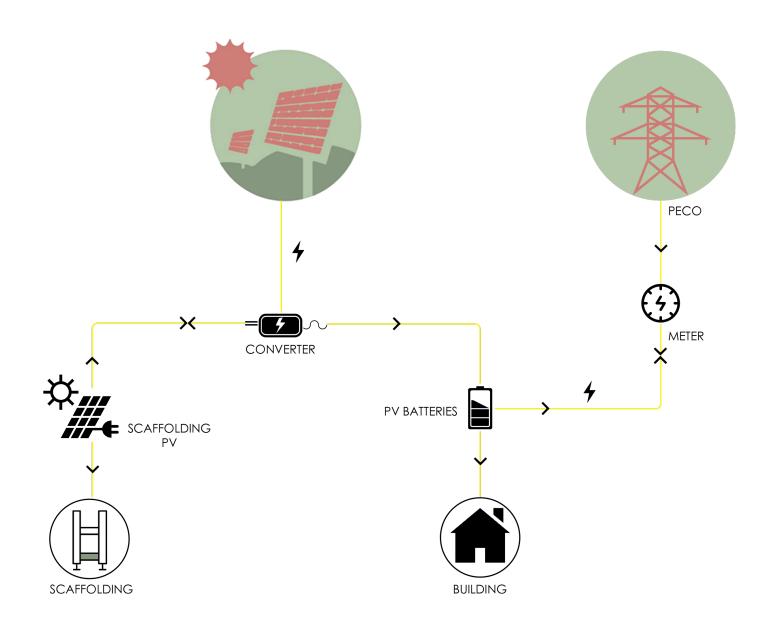
85 FTEs 13,036 sqft roof capture area @ 80% Efficient 900 sqft cafe

Water Closets and Urinals	Value	Select Unit Measure
Urinal	0.125	GPF
Male Flush Rate	1.28	GPF
Female Flush Rate	1.28	GPF
Lavatory	0.35	GPM
Kitchen Sink	1.5	GPM
Shower	1.5	GPM
Mop Sink	3	GPM
Drinking Fountain	1	GPM

WATER DIAGRAM

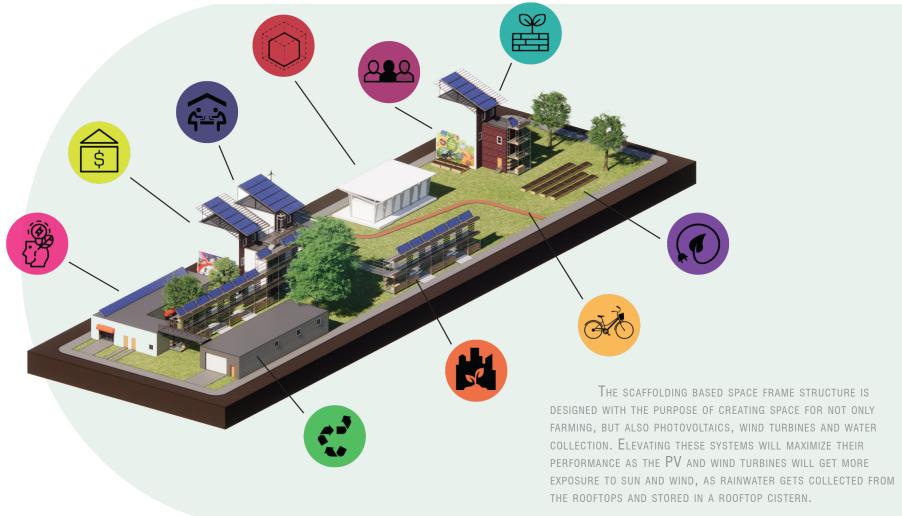


ENERGY DIAGRAM



INTEGRATED PERFORMANCE

NORTH PHILADELPHIA PEACE PARK



COST ESTIMATE BY BUILDING

NORTH PHILADELPHIA PEACE PARK

7.0%

0.0%

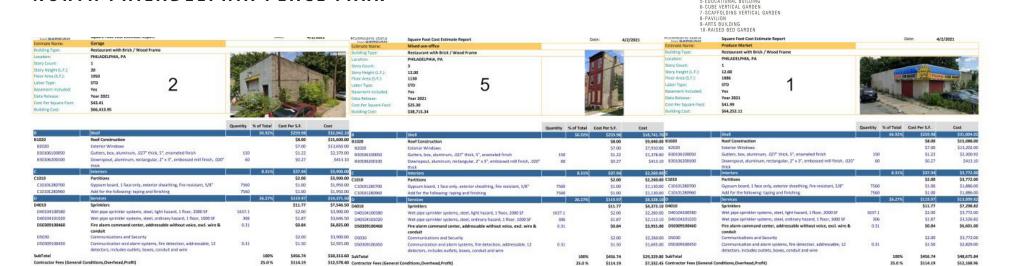
\$39.96

50.00

\$3,521.95 Architectural Fees

50.00 User Fees

Architectural Fees



7.0%

539.96

\$2,053,09 Architectural Fees

udit Trail Notes					Audit Trail Notes					Audit Trail Notes	Audit Trail Notes					
iteTime De	unption	U	Iser Name	Action	Date Time	Description	- 0	User Name	Actio		Description	Uh	or Name	Action		
RSMeans data	Square Foot Cost Estimate Report		Date:	4/2/20	RSMeans data	Square Foot Cost Estimate Report		D	uto: 4/2/	RSMeans data son General	Square Foot Cost Estimate Report Arts Building		Date	4/2/20	021	
Estimate Name:	Co-Working Library			444	Estimate Name:	Community Kitchen Building				Estimate Name Boilding Type:	Restaurant with Brick / Wood Frame					
Building Type:	Restaurant with Brick / Wood Frame				Building Type:	Restaurant with Brick / Wood Frame				Ligarine:	PHLADELPHIA, PA		-	100	Action	
Location:	PHILADELPHIA, PA		400	-	Location	PHILADELPHIA, PA			A CONTRACTOR OF THE PARTY OF TH	Story Count	3					
Story Count:	2				Story Count:	3		Barre I		Story Height (L.F.):	12.00					
Story Height (L.F.):	12.00	- 1	No.	No.	Story Height (L.F.):	12.00		6821	-	Floor Area (S.F.):	1530		The same of			
Floor Area (5.7.):	1130		Section 1		Floor Area (S.F.):	1530		100	1 1 10	Labor Type:	STD		100		Sept.	
Labor Type:	STD 5		Section 1		Labor Type:	sto 2			1	basement included:	Yes Q				100	
Basement Included:	Yes			-	Basement Included:	Yes 3		2000	100	Data Release:	Year 2021		A. C.	100	Alexander	
Data Release:	Year 2021		200		Data Refease:	Year 2021		40.00		Cost Per Square Foot	534.14		ASS. PAGE	2000		
Cast Per Square Foat:	525.30		100	20	Cast Per Square Foat:	\$34.14 \$52,227.91				Building Cost:	552,227.91				ST. C.	
Building Cost:	\$18,715.34	_		1	Building Cost:	392,227.93		10.	100							
		Tarkettaria -	Longer of State	500000	217				2002020			Quantity %	of Total Cost Pe	er S.F.	Cost	
	Shell	Quantity	% of Total Cost	Per S.F. 5259.98	Cost S189/419/0 R	Shell	Quantity	% of Total	Cost Fer S.F. \$359.00	Cost (\$25233)	Shell	-	56.92%	5259 98	525,230.5	
81020	Roof Comstruction	Maria - 100 M	20000	\$8,00	\$9,040,00 81020	Real Construction		2000	58.00	\$12,240, 81020	Reaf Construction			\$8.00	\$12,240.00	
82020	Esterior Windows			\$7.00	\$7.910.00 82000	Exterior Windows			\$7.00	\$10,710x B2020	Exterior Windows			\$7.00	\$10,710.00	
830106300050	Gutters, box, aluminum, .027" thick, 5", enameled finish	150		\$1.22	\$1,378.60 830106100050	Gutters, box, aluminum, .027° thick, 5°, enameled finish	150		\$1.22	\$1,867 830106100050	Gutters, box, aluminum, .027" thick, 5", enameled finish	150		\$1.22	\$1,867.4	
830106200100	Downspout, aluminum, rectangular, 2" x 3", embossed mill finish, 2020"	60		50.27	\$413.10 830106200100	Downspout, aluminum, rectangular, 2" s 3", embossed mili finish, 1020"			50.27	\$413.1 830106200100	Downspoot, aluminum, rectangular, 2" x 3", embossed mill firesh, .020"	60		50.27	\$413.10	
	thick					thick					thick		-		-	
¢ .	Interiors	3	8.31%	537.94	\$2,260.00 C	Interiors		8.31%	587.94	\$3,060 Å	Interiors Partitions	- 0	8.31%	\$37.94	\$3,050.0	
C1010	Partitions	\$2.00 \$2,26		52,260.00 C1010				\$2.00	\$3,060 x C1010			\$2.00	\$3,060.00			
C10101280700	Gypsum board, I face only, exterior sheathing, fire resistant, 5/6"			\$1.00	\$1,130.00 C30101280700	Gypsum board, 1 face only, exterior sheathing, fire resistant, 5/8"	7560		\$1.00	\$1,530x C10101280700	Gypsum board, 1 face only, exterior sheathing, fire resistant, 5/8"	7560 7560		\$1.00 \$1.00	\$1,530.0	
C10101280900	Add for the following: toping and finishing 75			\$1.00	\$1,130.00 C10101280960	Add for the following: toping and finishing	7560		\$1.00	\$1,5307 C10101280960	Add for the following: taping and finishing		26,27%	\$110.07	\$11,276.0	
D	Services		26.27%	\$119.97	\$4,328.10 0	Services		26.27%	\$119.97	\$11,276. D	Sprinklers			\$11.77	\$5,921.10	
04010	Sprinklers			\$11.77	\$4,373.10 04010	Sprinklers	1637.1		\$11.77 52.00	\$5,921.1D4010 \$3,050x D40104100580	Wet gipe sprinkler systems, steel, light hazard, 1 floor, 2000 SF	1637.1		\$2.00	53,060.0	
040104100580	Wet pipe sprinkler systems, steel, light hozard, 1 floor, 2000 SF 1687.1 52.00 Wet pipe sprinkler systems, steel, ordinary hazard, 1 floor, 1000 SF 306 51.87		\$2,260.00 D40104100580					\$3,060X 0401041010300 \$2,061.1 040104101020	Wet pipe sprinter systems, steel, ordinary hazard, 1 floor, 2000 SF	306		51.87	52,861.10			
040104101020	Wet pipe spriréder systems, steel, ordinary hazard, 1 floor, 1000 SF			\$1.87	\$2,113.10 D40104101020	Wet pipe sprinkler systems, sheet, ordinary hazard, 1 floor, 1000 SF	306		\$1.87	\$5,355.c D50309100460	Fire alarm command center, addressable without voice, excl. wire &	0.31		\$0.84	\$5,355.00	
050309100460	Fire slarm command center, addressable without voice, excl. wire & conduit	0.31		\$0.84	\$3,955.00 050309100460	Fire alarm command center, addressable without voice, excl. wire & conduit	0.31		\$0.84	\$5,3557 530337100460	conduit	0.51		20.01	20,033-0	
09030	Communications and Security			\$2.00	\$2,260.00 psggg	Communications and Security			52.00	\$3,0600 05000	Communications and Security			\$2.00	\$3,060.0	
050309100450	Communication and alarm systems, fire detection, addressable, 12	0.31		51.50	SL695.00 psg309100450	Communication and alarm systems, fire detection, addressable, 12	0.31		\$1.50	52,295, D50309100450	Communication and alarm systems, fire detection, addressable, 12	0.31		\$1.50	\$2,295.00	
	detectors, includes outlets, boxes, conduit and wire					detectors, includes outlets, boxes, conduit and wire	555			1000	detectors, includes outlets, boxes, conduit and wire					
SubTotal			100%	\$456.74	\$29,329.80 SubTotal			100%	\$456.74	539,566,@ubTotal			100% 5	\$456.74	\$39,566.60	
Contractor Fees (General	Conditions, Overhead, Profit)		25.0%	\$114.19	\$7,332.45 Contractor Fees (General	Conditions, Overhead, Profit)		25.0 %	\$114.19	\$9,891.dijontractor Fees (General	Conditions, Overhead, Profit)			5114.19	\$9,891.65	
Architectural Fees			7.0%	\$39.96	\$2,053.09 Architectural Fees			7.0%	\$39.96	\$2,769.@rchitectural Fees				\$39.96	\$2,769.6	
User Fees			0.0%	50.00	50.00 User Fees			0.0%	\$0.00	Southser Fees			0.0%	\$0.00	50.0	

SITE PLAN

1- RETAIL BUILDING 2-EXISTING MECHANIC SHOP

3- COMMUNITY KITCHEN BUILDING 4- OUTDOOR PATIO "BUFFER ZONE"

5- EDUCATIONAL BUILDING

W Jefferson St.

Stewart St.

7.0%

\$39.96

\$3,407.31

1

MARKET ANALYSIS

NORTH PHILADELPHIA PEACE PARK

2226 W. JEFFERSON STREET

THOMAS JEFFERSON UNIVERSITY: RETAIL DIVISION

North Philly Peace Park

Data Release: Year 2021

Scaffolding Estimate Unit Cost

LineNumber	Line Sour ce	Quantity	Description	Unit	Material	Total	O&P	Mat.	O&P	Total			Labor Type	Data Release	CCI Location
015423701200		1	Scaffolding, steel tubular, regular, frame, buy, 6'-4" high x 5' wide	Ea.	\$ 83.25	\$ 83.25	s	91.72	\$	91.72	s	91.72	STD	Year 2021	PENNSYLVANIA / PHILADELPHIA (190-19
015423701500			Scaffolding, steel tubular, regular, accessory, cross brace, buy	Ea.	\$ 19.14	\$ 19.14	s	20.94	\$	20.94	s		STD	Year 2021	PENNSYLVANIA / PHILADELPHIA (190-19
015423701550		3	Scaffolding, steel tubular, regular, accessory, guardrail post, buy	Ea.	\$ 23.93	\$ 23.93	s	26.42	\$	26.42	s	79.26	STD	Year 2021	PENNSYLVANIA / PHILADELPHIA (190-19
015423701600		1	Scaffolding, steel tubular, regular, accessory, guardrail section, buy, 7' long	Ea.	\$ 8.13	\$ 8.13	S	8.97	\$	8.97	S	8.97	STD	Year 2021	PENNSYLVANIA / PHILADELPHIA (190-19
015423701650		4	Scaffolding, steel tubular, regular, accessory, screw jack & plate, buy	Ea.	\$ 25.92		s	28.41	\$	28.41	ş	113.64		Year 2021	PENNSYLVANIA / PHILADELPHIA (190-19
015423701700		3	Scaffolding, steel tubular, regular, accessory, sidearm bracket, buy	Ea.	\$ 25.92	\$ 25.92	s	28.91		28.91	s	86.73	STD	Year 2021	PENNSYLVANIA / PHILADELPHIA (190-19
015423701750			Scaffolding, steel tubular, regular, accessory, caster, buy, 8" diam	Ea.	\$ 37.39	\$ 37.39	s	40.88	\$	40.88	s	163.52	STD	Year 2021	PENNSYLVANIA / PHILADELPHIA (190-19
015423701800			Scaffolding, steel tubular, regular, accessory, plank, buy, 2" x 10" x 16' long	Ea.	\$ 66.30	\$ 66.30	s	73.28	\$	73.28	s	439.68	STD	Year 2021	PENNSYLVANIA / PHILADELPHIA (190-19

289.98

EXTERIOR RENDERINGS



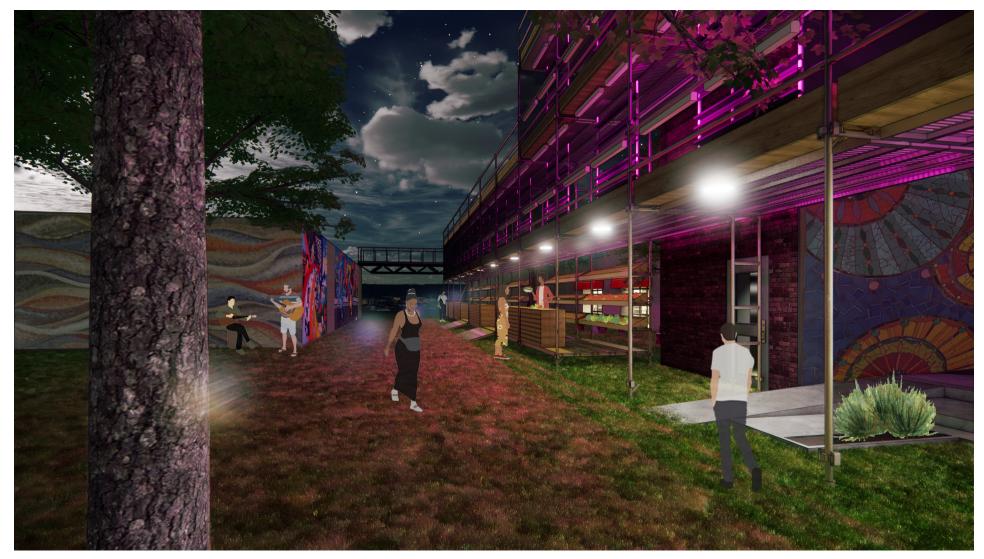
EXTERIOR IN FRONT OF PAVILLION

EXTERIOR RENDERINGS



BUFFER ZONE

EXTERIOR RENDERINGS



EXTERIOR BEHIND THE BUFFER ZONE